

Peer-Reviewed Publications Associated with HCP

- Amhrein, S. 2008. Spatial distribution of macroinvertebrate drift in the Cedar River, Washington, between the Landsburg diversion dam and Cedar Falls. M. S. Thesis, University of Washington.
- Anderson, J.H. 2006. Colonization of newly accessible habitat by coho salmon (*Oncorhynchus kisutch*). M.S. Thesis. School of Aquatic and Fishery Sciences, University of Washington, Seattle, WA.
- Anderson, J.H. 2011. Dispersal and reproductive success of Chinook (*Oncorhynchus tshawytscha*) and coho (*O. kisutch*) salmon colonizing newly accessible habitat. Ph.D. Dissertation. School of Aquatic and Fishery Sciences, University of Washington, Seattle, WA.
- Anderson, J.H., Faulds, P.L., Atlas, W.I. and T.P. Quinn. In review. Reproductive success of captively bred and natural origin Chinook salmon colonizing newly accessible habitat. Evolutionary Applications (online open access).
- Anderson, J. H., P.L. Faulds, W.I. Atlas, G.R. Pess, and T.P. Quinn. 2010. Selection on breeding date and body size in colonizing coho salmon, *Oncorhynchus kisutch*. Molecular Ecology 19, 2562–2573, online journal.
- Anderson, J.H., Faulds, P.L., Atlas, W.I. and Quinn, T.P. *in review*. Reproductive success of captively bred and natural origin Chinook salmon colonizing newly accessible habitat. Evolutionary Applications
- Anderson, J.H., G.R. Pess, P.M. Kiffney, T.R. Bennett, P.L. Faulds, W.I. Atlas, and T.P. Quinn. 2012. Dispersal and tributary immigration by juvenile coho salmon contribute to spatial expansion during colonization. Ecology of Freshwater Fish 22(1): 30-42.
- Anderson, J.H. and T.P. Quinn. 2007. Movements of adult coho salmon (*Oncorhynchus kisutch*) during colonization of newly accessible habitat. Canadian Journal of Fisheries and Aquatic Science, 64:1143-1154.
- Barnett, H.K. and D.K. Paige. 2013. Movements by adfluvial bull trout during the spawning season between lake and river habitats. Transactions of the American Fisheries Society, 142:3, 876-883.
- Barnett, H.K. and D.K. Paige. 2012. Egg development timing for riverine spawning pygmy whitefish (*Prosopium coulterii*). Northwest Science, Vol. 86, No. 2.
- Buehrens, T. 2010. Growth, movement, survival and spawning habitat use of coastal cutthroat trout: effects of competition with coho salmon and implications for hybridization with steelhead. M. S. Thesis, University of Washington.

- Burton, K.D., L.G. Lowe, H.B. Berge, H.K. Barnett, and P.L. Faulds. 2013. Comparative dispersal patterns for recolonizing Cedar River Chinook salmon above Landsburg Dam, Washington, and the Source Population below the dam. *Transactions of the American Fisheries Society* 142: 703-716.
- Certo, M. 2008. Annual variation in nutrients and periphyton biomass in the Cedar River, WA watershed. M. S. Thesis. Western Washington University.
- Chapin, D.M. and D.K. Paige. 2013. Response of delta vegetation to water level changes in a regulated mountain lake, Washington State, USA. *Wetlands* (in press).
- Cram, J. C. 2008. How do experimental stream food webs respond to salmon carcass loading rates? M. S. Thesis, University of Washington.
- Czuba, C. R., C. S. Magirl, J. A. Czuba, A. S. Gendaszek, C. P. Konrad. 2013. Hydrodynamic modeling of potential salmon-redd disturbance during managed peak flows on the Cedar River Washington. *Water Resources Research* (in press)
- Gendaszek, A. S., C.S. Magirl, and C. R. Czuba. 2012. Geomorphic response to flow regulation and channel and floodplain alteration in the gravel-bedded Cedar River, Washington, USA. *Geomorphology* 179: 258-268.
- Gendaszek, A. S., C.S. Magirl, C. P. Konrad, M. D. Marineau and C. R. Czuba. 2013. Temporal and spatial patterns of bed movement, scour and fill in a gravel-bedded river measured with buried accelerometers. *Journal of Hydrology* (in press)
- Kane, V.R., R. Gersonde, J.A. Lutz, R.E. McGaughey, J.D. Bakker, and J.F. Franklin. 2011. Patch dynamics and the development of structural and spatial heterogeneity in Pacific Northwest Forests. *Canadian Journal of Forest Research*. 41: (12) 2276-2291.
- Kane, V.R. J.D. Bakker, R.E. McGaughey, J.A. Lutz, R. Gersonde, and J.F. Franklin. 2010. Examining conifer canopy structural complexity across forest ages and elevations with LiDAR data. *Canadian Journal of Forest Research*. 40: 774-787.
- Kane, V.R., R.E. McGaughey, J.D. Bakker, R. Gersonde, J.A. Lutz, and J.F. Franklin. 2010. Comparisons between field- and LiDAR-based measures of stand structural complexity. *Canadian Journal of Forest Research*. 40: 761-773.
- Kiffney, P.M., C.M. Greene, J.E. Hall, and J.R. Davies. 2006. Tributary streams create spatial discontinuities in habitat, biological productivity, and diversity in mainstem rivers. *Canadian Journal of Fisheries and Aquatic Sciences* 63: 2518-2530.
- Kiffney, P.M., G.R. Pess, J.A. Anderson P.L. Faulds, K. Burton, and S.C. Riley. 2009. Changes in fish communities following recolonization of the Cedar River WA, USA by Pacific salmon after 103 years of local extirpation. *River Research and Applications* 25(4): 438-452.

- Larson, A.J. and J.F. Franklin. 2006. Structural segregation and scales of spatial dependency in *Abies amabilis* forests. *Journal of Vegetation Science*. 17: 489-498
- Larson, A.J. and D. Churchill. 2008. Spatial Patterns of overstory trees in late-successional forests. *Canadian Journal of Forest Research*. 38: 2814–2825
- Larson, A. J., J. A. Lutz, R. F. Gersonde, J. F. Franklin, and F. F. Hietpas. 2008. Potential site productivity influences the rate of forest structural development. *Ecological Applications* 18:899–910.
- Magirl, S. C., A. S., Gendaszek, C. R. Czuba, C. P. Konrad, and M. D Marineau. 2012. Geomorphic and hydrologic study of peak-flow management on the Cedar River, Washington. U. S. Geological Survey Open-File Report 2012-1240, 5 p. plus presentation.
- Mollot, L.A., R.A. Bilby, and D.M. Chapin. 2008. A multivariate analysis examining the effect of landform on the distribution of riparian plant communities of Washington, USA. *Community Ecology* 9(1): 59-72.
- Mollot, L.A. and R.A. Bilby. 2008. The use of geographic information systems, remote sensing, and suitability modeling to identify conifer restoration sites with high biological potential for anadromous fish at the Cedar River Municipal Watershed in western Washington, U.S.A. *Restoration Ecology* 16(2): 336-347.
- Mollot, L.A., D. Munro, and R.A. Bilby. 2007. Classifying fine-scale spatial structure of riparian forests using hyperspectral high-resolution remotely sensed imagery at the Cedar River municipal watershed in western Washington, USA. *Canadian Journal of Remote Sensing* 33(2): 99-108.
- Naman, S. M., P. M. Kiffney, G. R. Pess, T. W. Buehrens, T. R. Bennett. *In press*. Abundance and body condition of Cottids in a small forested stream following recolonization by juvenile coho salmon *Oncorhynchus kisutch*. *River Research and Applications*.
- Pess, G.R. 2009. Patterns and processes of salmon colonization. Dissertation. University of Washington.
- Pess, G.R., P.M. Kiffney, M.C. Liermann, T.R. Bennett, J.H. Anderson, and T.P. Quinn. 2010. The influences of body size, habitat quality, and competition on the movement and survival of juvenile coho salmon, *Oncorhynchus kisutch*, during the early stages of stream re-colonization. *Transactions of the American Fisheries Society* 140:883-897.
- Richards, W.H., R. Koeck, R. Gersonde, G. Kuschnig, W. Fleck, and E. Hochbichler. 2012. Landscape-scale forest management in the municipal watersheds of Vienna, Austria, and Seattle, USA: commonalities despite disparate ecology and history. *Natural Areas Journal* 32(2):199-207.

- Sprugel, D.G., K.G. Rascher, R. Gersonde, M. Dovciak, J. Lutz, and C.B. Halpern. 2009. Spatially explicit modeling of overstory manipulations in young forests: Effects on stand structure and light. *Ecological Modeling* 220(24):3565-3575.
- Villarin, L.A., D.M. Chapin, and J.E. Jones III. 2009. Riparian forest structure and succession in second-growth stands of the central Cascade Mountains, Washington, USA. *Forest Ecology and Management* 257: 1575-1585.